

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Cancelled). A chemical generator for producing chemical solutions from first and second reactants, comprising:

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- (a) a first reactant inlet;
  - (b) a second reactant inlet;
  - (c) a reaction chamber operably connected to the first and second reactant inlets; and
  - (d) hydrologic controls for hydrologically controlling the flow of the first and second reactants, wherein said hydrologic controls are float control valves or eductors.

Claim 2 (Cancelled). The chemical generator of claim 1 further comprising:

- (e) a diluent inlet; and
- (f) a dilution chamber operably connected to the reaction chamber and the diluent inlet, the hydrologic controls responsive to predetermined fluid levels in the dilution chamber.

Claim 3 (Cancelled). The chemical generator of claim 2 further comprising:

- (g) a first eductor operably connected to the diluent inlet and the reaction chamber;
- (h) a first float control valve operably connected to the first eductor;
- (i) a second eductor operably connected to the ~~dilution~~ diluent inlet and the reaction chamber; and